

## **Simulations of Beam Smoothing With SSD\***

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### **Abstract**

The effect of beam smoothing via spectral dispersion (SSD) on laser system performance is discussed. PROP92 simulations for Beamlet and NIF will be presented. We examine the focal irradiance distribution at the third harmonic with SSD and the performance implications from the increase in pinhole diameters that are needed to accommodate SSD. Beam deflection might also be considered.

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